

What is claimed is:

1. A single-cell operation supporting robot, comprising:
 - a microscope;
 - a microwell for storing cells and a single-cell stimulating device which are respectively provided on the stage of the microscope;
 - a means for the transportation of a sample injection device which transports a sample injection means for injecting a sample into a single-cell relatively to and from the microwell for storing cells;
 - a cell transportation means which transports a cell holding means for holding a single-cell relatively to and from each well of the microwell for storing cells, the single-cell stimulating device and the sample injection means;
 - a single-cell measuring device which is combined with the microscope;
 - at least one computer which automatically controls an actuation of at least one among the microscope, the sample injection transportation means, the cell transportation means, the single-cell stimulating device and the single-cell measuring device based on a program installed beforehand; and
 - a manual operation means which inputs signals to the computer based on an operation by an operator and actuates at least one of the microscope, the sample injection transportation means, the cell transportation means, the single-cell stimulating device and the single-cell measuring device.
2. The single-cell operation supporting robot according to Claim 1, wherein the microwell for storing cells is a multi-microwell in which a plural number of wells which can be respectively used as a proprietary well for one single-cell are arranged at a fixed arrangement.
3. The single-cell operation supporting robot according to Claim 1, wherein the sample injection transportation means has an automatic stage which is provided on the stage of the microscope and which transports the microwell for storing cells and the single-cell stimulating device relatively to and from the stage.
4. The single-cell operation supporting robot according to Claim 1, wherein the sample injection transportation means has a manipulator which

transports the sample injection means relatively to and from the stage.

5. The single-cell operation supporting robot according to Claim 1, wherein the cell transportation means has an automatic stage which is provided on the stage of the microscope and which transports the microwell for storing cells and the single-cell stimulating device relatively to and from the stage.

6. The single-cell operation supporting robot according to Claim 1, wherein the cell transportation means has a manipulator which transports the cell holding means relatively to and from the stage.